

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

74

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 05/10/2019		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO:	
3. ORDER NO. 68HERC19F0147		4. REQUISITION/REFERENCE NO. PR-ORD-19-01127		a. NAME OF CONSIGNEE ORD NCEA PY1	
5. ISSUING OFFICE (Address correspondence to) CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS US Environmental Protection Agency ORD NCEA 2777 S. Crystal Drive Two Potomac Yard (North Building)	
				c. CITY Arlington	e. ZIP CODE 22202
7. TO: Robert Toth				f. SHIP VIA	
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY	
c. STREET ADDRESS 9300 LEE HIGHWAY				REFERENCE YOUR:  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050	Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD NCEA PY1	
11. BUSINESS CLASSIFICATION (Check appropriate box(es))					
<input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB					
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 365 Days After Award	
a. INSPECTION Destination	b. ACCEPTANCE Destination			16. DISCOUNT TERMS	

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: TTRACY Max Expire Date: 05/09/2020  Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$0.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						
c. CITY Durham				d. STATE NC	e. ZIP CODE 27711	\$337,133.00	17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

05/10/2019

ELECTRONIC SIGNATURE

23. NAME (Typed)

William M. Yates

TITLE: CONTRACTING/ORDERING OFFICER

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
2

**IMPORTANT:** Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 05/10/2019	CONTRACT NO. 68HERC19D0003	ORDER NO. 68HERC19F0147
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>Admin Office: CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268 Period of Performance: 05/10/2019 to 05/09/2020</p> <p>0001: Five Year Ordering Period</p> <p>Accounting Info: 18-19-C-261A000-000F72-2532-26A5C-1926 1AC850-012 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000F72 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-012 Funding Flag: Complete Funded: \$0.00</p> <p>Accounting Info: 18-19-C-261A000-000F72XPC-2532-26A5C-1 9261AC850-005 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000F72XPC Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-005 Funding Flag: Complete Funded: \$0.00</p> <p>Accounting Info: 18-19-C-261A000-000F84-2532-26A5C-1926 1AC850-003 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000F84 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-003 Funding Flag: Complete Funded: \$0.00</p> <p>Accounting Info: 18-19-C-261A000-000FK6XR1-2532-26A5C-1 9261AC850-004 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000FK6XR1 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-004 Funding Flag: Complete Funded: \$0.00</p> <p>Accounting Info: 18-19-C-261A000-000FK6XR2-2532-26A5C-1 Continued ...</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
3

**IMPORTANT:** Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 05/10/2019	CONTRACT NO. 68HERC19D0003	ORDER NO. 68HERC19F0147
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	9261AC850-006 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000FK6XR2 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-006 Funding Flag: Complete Funded: \$0.00 Accounting Info: 18-19-C-261A000-000FK7XR3-2532-26A5C-1 9261AC850-013 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000FK7XR3 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-013 Funding Flag: Complete Funded: \$0.00 Accounting Info: 18-19-C-261A000-000FK7XR4-2532-26A5C-1 9261AC850-001 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000FK7XR4 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-001 Funding Flag: Complete Funded: \$0.00 Accounting Info: 18-19-C-261A000-000FK8-2532-26A5C-1926 1AC850-007 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000FK8 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-007 Funding Flag: Complete Funded: \$0.00 Accounting Info: 18-19-C-261A000-000FK8XPV-2532-26A5C-1 9261AC850-008 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000FK8XPV Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-008 Funding Flag: Complete Funded: \$0.00 Accounting Info: 18-19-C-261A000-000FK8XPW-2532-26A5C-1 9261AC850-002 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000FK8XPW Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-002 Funding Flag: Complete Funded: \$0.00 Continued ...					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

**ORDER FOR SUPPLIES OR SERVICES**  
**SCHEDULE - CONTINUATION**

PAGE NO  
4

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 05/10/2019	CONTRACT NO. 68HERC19D0003	ORDER NO. 68HERC19F0147
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Accounting Info: 18-19-C-261A000-000FK9-2532-26A5C-1926 1AC850-009 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000FK9 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-009 Funding Flag: Complete Funded: \$0.00 Accounting Info: 18-19-C-261A000-000FK9XR5-2532-26A5C-1 9261AC850-010 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000FK9XR5 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-010 Funding Flag: Complete Funded: \$0.00 Accounting Info: 18-19-C-261A000-000FK9XR6-2532-26A5C-1 9261AC850-011 BFY: 18 EFY: 19 Fund: C Budget Org: 261A000 Program (PRC): 000FK9XR6 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-011 Funding Flag: Complete Funded: \$0.00 Accounting Info: 19-20-C-261A000-000FK8XPV-2532-26A5C-1 9261AC850-015 BFY: 19 EFY: 20 Fund: C Budget Org: 261A000 Program (PRC): 000FK8XPV Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-015 Funding Flag: Complete Funded: \$0.00 Accounting Info: 19-20-C-261A000-000FK9-2532-26A5C-1926 1AC850-014 BFY: 19 EFY: 20 Fund: C Budget Org: 261A000 Program (PRC): 000FK9 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC850-014 Funding Flag: Complete Funded: \$0.00 Accounting Info: 19-20-C-261A000-000FK8XPV-2532-26A5C-1 9261AC909-001 BFY: 19 EFY: 20 Fund: C Budget Org: 261A000 Program (PRC): 000FK8XPV Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19261AC909-001 Continued ...					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00



ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION

PAGE NO  
5

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DATE OF ORDER  
05/10/2019

CONTRACT NO.  
68HERC19D0003

ORDER NO.  
68HERC19F0147

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Funding Flag: Complete Funded: \$137,133.00					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

**PERFORMANCE WORK STATEMENT**  
**CONTRACT NO. 68HERC19D0003**  
**Task Order 68HERC19F0147**

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**TITLE:** Board of Scientific Counselors (BOSC) Meeting / Administrative Support

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**Specify Section & Paragraph SOW:**

- E. Risk Assessment Support
  - 1. Science Writing, Risk Communication and Training
  - 2. Administration and Technical Support for NCEA Human Health Related Meetings

**PERIOD OF PERFORMANCE:** Contract Award thru May 09, 2020

**1. BACKGROUND**

The primary functions of the BOSC include evaluating ORD's science and engineering research programs, laboratories, and research-management practices, and recommending actions to improve their quality and/or strengthen their relevance to the mission of the EPA. For more information on the BOSC, go to <http://epa.gov/osp/bosc/>. This task order is continuation to work performed in the Year 5 Option Period under Work Assignment # 4-26. The work continues from Task 1 through Task 4 during this extension of Year 5 Option Period under Work Assignment 4-26.

**2. PURPOSE**

The purpose of this task order is to provide: a full range of administrative and logistical support services for the conduct of Federal Advisory Committee meetings, conferences and/or teleconferences related to the Charter of the Office of Research and Development's Board of Scientific Counselors (BOSC); administrative activities required for reports prepared by the BOSC Executive Committee or it's Subcommittees and Workgroups; and the full range of administrative support services for assimilating materials collected from extensive candidate searches conducted for either the Executive Committee, or existing or proposed Subcommittee and Workgroups.

The contractor's activities will not require special expertise in matters of science discussed by the Board, but the contractor should possess the practical knowledge, experience, and skills commonly used in facilitating high-level policy meetings.

Meetings of the BOSC Executive Committee, Subcommittees and Workgroups will generally be held on-site at US EPA (either Headquarters or a Laboratory/Center, as appropriate), if space is available, with the approval of the Designated Federal Officer (DFO). Under this task order, it is anticipated that contractor support shall be required for approximately three Executive Committee meetings (one is expected to be face-to-face meeting); approximately 5 face-to-face program review subcommittee meetings. In addition, contractor support shall be needed for approximately 10 conference calls (expected to be 2-3 hour calls) in support of the Subcommittee and Workgroup meetings. The EPA TO-COR will provide the meeting dates via written technical direction.

It is anticipated that approximately one report shall be generated by the BOSC during the timeframe of this task order, and that candidate searches requiring contractor support may occur no more than one time during the period.

### **3. STATEMENT OF WORK**

This Statement of Work describes EPA's requirements regarding services to be rendered by the contractor for BOSC meeting and conference support. The contractor shall provide the necessary personnel and resources in the following four areas for the BOSC:

1. Pre-meeting communication and logistical support.
2. On-site technical support during meetings/teleconferences.
3. Prepare summary minutes of meetings/teleconferences.
4. Word processing for reports.

#### **Task 1. Pre-meeting communication and logistical support**

The contractor shall provide administrative support services as requested by the EPA TOCOR in support of new candidates to the BOSC for either the Executive Committee, or existing or proposed Subcommittee and Workgroups.

As requested by the EPA TOCOR, the contractor shall prepare materials for meetings including roster, agenda, minutes of last meeting (if appropriate), other background/logistical material needed. Via written technical direction, the approximately 5 face-to-face program review subcommittee meetings and three Executive Committee meetings will be provided by the EPA TO-COR. All correspondence shall be transmitted under the Designated Federal Officer's name. It is anticipated that there will be approximately 30 participants for each Executive Committee meeting, and approximately 20-30 participants for each Subcommittee face-to-face meeting.

The contractor shall obtain meeting space facilities when government owned facilities are not available, as determined by the EPA TOCOR (this includes negotiation with hotels or other entities to obtain meeting space, as well as reservations (room blocks) for lodging that fall within U.S. Government per-diem rates and meet Agency lodging requirements).

#### **Task 2. On-site technical support during meetings/teleconferences**

The contractor shall provide recorders to take minutes at each meeting/teleconference. The contractor shall ensure that all equipment needed at the meeting is available, to include microphone equipment, laptop computers, etc., as needed and specified by the EPA TOCOR.

The contractor shall provide a registration table each day of the meeting and shall provide table tents and name badges for participants. The contractor shall also photocopy additional sets of handouts and materials as may be required during the meeting as requested by the EPA TOCOR.

The contractor shall collect any materials not distributed at the meeting or materials left behind by BOSC members and dispose of as appropriate.

#### **Task 3. Prepare summary minutes of meetings/teleconferences**

The contractor shall prepare and submit to the EPA TOCOR draft minutes of the meetings/teleconferences within approximately 15 working days of the end of each meeting/teleconference. The contractor shall incorporate comments and changes to the minutes provided by the TOCOR to the contractor within seven days. The contractor shall submit final minutes within 5 working days of receiving EPA comments.

#### **Task 4. Word Processing for Reports**

The contractor shall provide support for any reports prepared by the BOSC Executive Committee or its Subcommittees. The contractor shall not be involved in developing the technical content of the report, and shall not provide any scientific technical expertise. The contractor shall only provide word processing services to compile, format, edit (based on Executive Committee and Subcommittee member input, plus any factual changes requested by ORD and approved by the Executive Committee), and finalize reports prepared by the Executive Committee or its Subcommittees.

The contractor shall compile/format/edit and submit draft Executive Committee/ Subcommittee reports to the EPA TOCOR within approximately 15 working days after receiving report content. The contractor shall incorporate comments and changes to the reports provided to the contractor by the TOCOR within seven days. The contractor shall incorporate comments and changes to the reports and submit final reports to the EPA TOCOR within 5 working days of receiving comments.

#### **4. SCHEDULE OF DELIVERABLES\***

<b>Product</b>	<b>Due Date</b>
Logistical Arrangements of Meeting	60 working days prior to meeting
Draft Minutes of Meeting	15 working days after completion of meeting
Final Minutes of Meeting	5 working days after receipt of comments from EPA TOCOR
Draft Exec Committee/Sub-committee reports	15 working days after receipt of report EPA TOCOR) content from EPA TOCOR
Final Exec Committee/Sub-committee reports	5 working days after receipt of comments EPA TOCOR) from EPA TOCOR

\* Subject to change in accordance with FACA and EPA requirements

#### **5. SPECIAL CONDITIONS**

Final products shall be produced by the Contractor upon EPA TOCOR's approval through written technical direction. The Contractor shall provide all materials written under these tasks to the EPA TOCOR, as per task order.

#### **6. CONFIDENTIALITY**

Some of the work assigned under these tasks may be to draft, edit, and review program and sensitive organizational information that will not be ready for broad or public distribution. The contractor shall not

discuss the contents of any document with anyone not specified as a participant in the documents review process or its preparation. The EPA TOCOR will supply the contractor with a list of individuals involved with any documents under these tasks.

## **7. MANAGEMENT CONTROLS**

Periodic meetings between the EPA and contractor task order managers are encouraged to discuss any questions that may arise during performance or completion of this task order. At the EPA TOCOR's discretion, these meetings may occur via teleconference or video conferences. The contractor shall document these meetings and submit copies of this correspondence to the EPA TOCOR.

The EPA TOCOR may identify one or more EPA technical representatives for this task order. Interaction between the contractor and any EPA technical representative(s) designated by the EPA TOCOR is solely for the purpose of presenting and discussing the information, analyses, results, or presentations related to this task order. The interaction will be technical communication vice technical direction. Per the technical direction clause EPAAR 1552.237-71 of the contract, the PO and the TOCOR or alternate TOCOR are the primary representatives of the CO authorized to provide technical direction.

## **TASK ORDER CONTRACT OFFICER REPRESENTATIVE (TOCOR) AND ALTERNATE TO-COR**

### **TOCOR: (TOCOR)**

Thomas Tracy  
Designated Federal Officer  
Board of Scientific Counselors  
Office of Research and Development  
U.S. Environmental Protection Agency  
Mail Code 8104R  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460 - 202-564-6518

### **Alternate TOCOR: (TOCOR)**

Anthony Grimm  
Office of Science Policy  
Office of Research and Development  
U.S. Environmental Protection Agency  
Mail Code 8104R  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460 - 202-564-0153

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
						1      3	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00001		See Block 16C		PR-ORD-19-01149			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CAD		CAD		CPOD		CPOD	
CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x)			
ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050							
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				x			
				10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0147			
				10B. DATED (SEE ITEM 13) 05/10/2019			
CODE 072648579		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$28,307.00	
See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
<b>E. IMPORTANT:</b> Contractor <input type="checkbox"/> is not <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: TTRACY Max Expire Date: 05/09/2020							
LIST OF CHANGES:							
Reason for Modification: The purpose of this modification will be to execute ICF's proposed third option which execute task 4 of the PWS. This modification will also fund the third option.							
Total Amount for this Modification: \$28,307.00							
New Total Amount for this Award: \$365,440.00							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 06/06/2019	

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0147/P00001	PAGE	OF
		2	3

NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Obligated Amount for this Modification: \$28,307.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed</p> <p>from \$337,133.00 to \$365,440.00</p> <p>Obligated Amount for this Modification: \$28,307.00</p> <p>Incremental Funded Amount changed from</p> <p>\$137,133.00 to \$165,440.00</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code:</p> <p>19-20-C-261A000-000FK8XPV-2532-26A5C-19261AC915-001</p> <p>Beginning FiscalYear 19</p> <p>Ending Fiscal Year 20</p> <p>Fund (Appropriation) C</p> <p>Budget Organization 261A000</p> <p>Program (PRC) 000FK8XPV</p> <p>Budget (BOC) 2532</p> <p>Job # (Site/Project)</p> <p>Cost Organization 26A5C</p> <p>DCN-LineID 19261AC915-001</p> <p>Amount: \$28,307.00</p> <p>Payment Address:</p> <p>RTP Finance Center</p> <p>US Environmental Protection Agency</p> <p>RTP-Finance Center (AA216-01)</p> <p>109 TW Alexander Drive</p> <p>www2.epa.gov/financial/contracts</p> <p>Durham NC 27711</p> <p>Continued ...</p>				

NAME OF OFFEROR OR CONTRACTOR  
 ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 05/10/2019 to 05/09/2020				



AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGES	
				1 2	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.	
P00002		See Block 16C		5. PROJECT NO. (If applicable)	
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)	
CAD		CAD		CODE	
CAD		CPOD		CPOD	
US Environmental Protection Agency		US Environmental Protection Agency		US Environmental Protection Agency	
26 West Martin Luther King Drive		26 West Martin Luther King Drive		26 West Martin Luther King Drive	
Mail Code: W136		Mail Code: NWD		Mail Code: NWD	
Cincinnati OH 45268-0001		Cincinnati OH 45268		Cincinnati OH 45268	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x)		9A. AMENDMENT OF SOLICITATION NO.	
ICF Incorporated, L.L.C.					
Attn: Robert Toth				9B. DATED (SEE ITEM 11)	
9300 LEE HIGHWAY					
FAIRFAX VA 220316050					
CODE		FACILITY CODE		10A. MODIFICATION OF CONTRACT/ORDER NO.	
072648579				68HERC19D0003	
				68HERC19F0147	
				10B. DATED (SEE ITEM 13)	
				05/10/2019	
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended.					
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. ACCOUNTING AND APPROPRIATION DATA (If required)					
See Schedule					
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
CHECK ONE					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not <input checked="" type="checkbox"/> is required to sign this document and return 1 copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
DUNS Number: 072648579					
TOCOR: TTRACY Max Expire Date: 05/09/2020					
LIST OF CHANGES:					
Reason for Modification: The purpose of this modification is to clarify the funding for this task order for ICF.					
The attached sheet will clarify and show what has been obligated to this task order along with what has been invoiced and paid.					
Continued ...					
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
		William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA	
(Signature of person authorized to sign)				ELECTRONIC SIGNATURE	
				11/05/2019	
				(Signature of Contracting Officer)	

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0147/P00002	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 05/10/2019 to 05/09/2020				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00003		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CAD		7. ADMINISTERED BY (If other than Item 6) CPD	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		9A. AMENDMENT OF SOLICITATION NO.		9B. DATED (SEE ITEM 11)	
10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0147		10B. DATED (SEE ITEM 13) 05/10/2019			
CODE 072648579		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)  
See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☐ is not ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: TTRACY Max Expire Date: 06/30/2020

LIST OF CHANGES:

Reason for Modification: The purpose of this administrative mod will be to extend the ending date of the period of performance to June 30, 2020. This will allow the program office to conduct meetings that were postponed due to the current COVID-19 situation.

Period of Performance End Date changed from 09-MAY-20 to 30-JUN-20

Maximum Potential Expiration Date changed to : 06/30/2020

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 04/30/2020

NAME OF OFFEROR OR CONTRACTOR  
 ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR LINE ITEM NUMBER: 1 Start Date Added : 05/10/2019 End Date Added : 06/30/2020  Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 05/10/2019 to 06/30/2020				

# ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES

1

24

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 06/05/2019		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO: a. NAME OF CONSIGNEE US Environmental Protection Agency	
3. ORDER NO. 68HERC19F0177		4. REQUISITION/REFERENCE NO. PR-ORD-19-00947			
5. ISSUING OFFICE (Address correspondence to) CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS National Exposure Research Lab 109 T.W. Alexander Drive	
				c. CITY Research Triangle Park	e. ZIP CODE 27709
7. TO: Robert Toth				f. SHIP VIA	
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 9300 LEE HIGHWAY				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD NCEA PY1	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) <input type="checkbox"/> h. EDWOSB VETERAN-OWNED ELIGIBLE UNDER THE WOSB PROGRAM				12. F.O.B. POINT	
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	
				15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 10 Days After Notice to Proceed	
16. DISCOUNT TERMS					

## 17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: DVALERO Max Expire Date: 06/04/2020  Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$126,264.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts						\$126,264.00
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711				17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

06/05/2019

ELECTRONIC SIGNATURE

23. NAME (Typed)

William M. Yates

TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER	CONTRACT NO.	ORDER NO.
06/05/2019	68HERC19D0003	68HERC19F0177

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	Admin Office: CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268 Accounting Info: 19-20-C-26UC000-000FK8XPW-2532-26A6A-1926USE 020-001 BFY: 19 EFY: 20 Fund: C Budget Org: 26UC000 Program (PRC): 000FK8XPW Budget (BOC): 2532 Cost: 26A6A DCN - Line ID: 1926USE020-001 Period of Performance: 05/01/2019 to 04/30/2024  NEW HHRA Contract #68HERC19D0003 - TO-0006 Improvement of existing human exposure models to support analysis of chemical exposures from multiple media across the life cycle of chemicals.				126,264.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$126,264.00

## PERFORMANCE WORK STATEMENT

TO – 68HERC19F0177

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***NOTE: This task order builds from the work performed in the Year 3 Option Period under Work Assignment # 4-75 under Contract No. EP-C-14-001. The work continues and provides additional product work performance and deliverables.***

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**TITLE: Improvement of existing human exposure models to support analysis of chemical exposures from multiple media across the life cycle of chemicals**

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**PERIOD OF PERFORMANCE: Award to 12 months**

**Specify Section & Paragraph SOW:**

A. Assessment Issues and Documents

B. Risk Assessment Methods Research and Development

F. Information Management

G. Literature Search

H. Physiologically-Based Pharmacokinetic (PBPK) Model Technical Support

### **I. PURPOSE**

The purpose of this task order (TO) is to provide services to the U.S. Environmental Protection Agency's (hereinafter EPA or Agency) Computational Exposure Modeling of the National Exposure Research Laboratory, Office of Research and Development (ORD).

### **II. BACKGROUND**

Within modern society, exposure to a wide range of chemicals through our daily habits and routines is ubiquitous and largely unavoidable. Human exposure to chemicals is likely through multiple environmental media, pathways, and routes. Methodologies and modeling tools are needed for estimating background exposure to the general population as well as to identify highly exposed groups, particularly in the case of emerging contaminants. The US EPA requires models to support estimates of the population distribution of chemical exposures; the important sources, pathways, and determinants of human exposure; the variation of human exposures as a function of time, space, demographics, and consumer practices; and the exposures of vulnerable subpopulations.

Evaluating chemical safety over the life cycle of chemicals requires drawing upon the various data streams and computational algorithms to rapidly and reliably characterize exposures and human health impacts of chemicals from direct and indirect exposure pathways. A critical need is the development of a modeling system that makes use of existing stochastic and mechanistic human exposure model algorithms and will readily link to inputs and tools from a range of available data resources.

The human exposure modeling elements of the overall research project will include advancement of extant exposure modeling tools to enable efficient application of such tools to address a variety of needs for multimedia exposure analysis. Specifically, we will refine and expand upon the existing Human Exposure Model (HEM) to add additional modules, and demonstrate utility of the model through application to a set of case studies.

The general approach will be to complete addition of multimedia modules to the Human Exposure Model, develop model inputs and demonstrate HEM capability through a set of example analyses, and evaluate model estimates by comparing to relevant data.

### **III. STATEMENT OF WORK**

Throughout further development and refinement of the HEM model, various support will be needed. Support can be defined as (but not limited to): acquisition of additional data needed to parametrize the HEM model, refinement of existing modules within the HEM model, resolution of bugs discovered in the model, and revision of model documentation to reflect such changes.

#### **Task 1: Additional Modules for HEM**

The HEM model is being expanded to be applicable to a variety of potential exposure pathways, including dietary exposure pathways, article emission pathways, and ambient pathways. Under the direction of the WA-COR, the Contractor will develop modules to support these additional exposure pathways.

Specifically, in support of the expansion of HEM's multimedia capabilities the contractors shall (following technical direction and consultation) add the following new exposure algorithms, modules, or pathways to the existing code:

1. Implement the dietary exposure pathway in HEM. This may require:
  - Addition of required consumption and food residue input files (including development of appropriate daily consumption diaries from the NHANES-What We Eat in America Study)
  - Addition of food ingestion exposure function/module and addition of food exposures to current aggregate ingestion variables
  - Addition of a food ingestion variable in relevant output files
2. Implement the article emission pathway in HEM Source to Dose module. This may require:
  - Addition of emission methods analogous to those implemented in SHEDS-HT to the indirect pathway of HEM S-to-D module (e.g., emission based on the steady-state gas phase concentration  $y_0$ , with partitioning to air/dust/surfaces via the fugacity model, and subsequent exposure via surface contact (dermal/hand-to-mouth) and inhalation)
  - Adaptation/change of fugacity model or the S-to-D indirect pathway (if needed) to implement these methods
  - Addition of article contribution to indirect exposure to output file (if possible, based on algorithm implementation)
3. Implement ambient pathway in HEM Source-to-Dose module. This may require:
  - Addition of an outdoor/ambient concentration component to the indirect pathway of the HEM Source-to-Dose module, i.e. a non-zero outdoor compartment that results in a steady-state input source to the residential air compartment of the fugacity model

**Deliverable 1:** Updated HEM code and documentation incorporating the above algorithms.

#### **Task 2: Demonstration of Capability**

This task will build confidence in model results by producing a series of publications that: 1) document the capabilities of the Human Exposure Model (HEM) to generate useful estimates of aggregate and cumulative



exposures to chemicals that occur in large numbers of consumer products, 2) validate the assumptions used in the model, and 3) document key components of HEM. The task will have three activities.

1. Case study to model aggregate exposures

Continuing the work already initiated, complete model runs to generate HEM model outputs for a case study of six chemicals identified by EPA. After analysis is complete, assist in the writing of a manuscript presenting the findings (drafting methodology sections and reviewing the draft document).

2. Evaluation of Product Use Scheduler (PUScH) predictions

Building on existing work, complete analysis comparing PUScH predictions of the amounts of products a household uses over a year and the reported purchases of similar products based on data available from Nielsen reporting (Nielsen data to be provided by EPA). Under the direction of EPA, determine which PUCS can be compared and the best method of comparison. Once the analyses are complete, assist in the writing of a manuscript that presents the methodology and results.

3. Documentation of Residence Person Generator (RPGen) capabilities

Preparation of a draft publication on the existing RPGen module. The publication will document how RPGen works, the sources used in RPGen, and its capabilities. The paper will include examples of outputs and the correlations captured by the module. The role of the module in HEM will be discussed, but the paper will focus on how the module can be used outside of HEM to parametrize other models of interindividual variation in population exposures. The body of the paper will be based on existing documentation. Included will be work to revise the code for RPGen to address known bugs and to update to the most recent versions of the databases used as inputs (AHS, RECS, NHANES, etc.).

4. Define case study to model background exposures to PFOS/PFOA

Under direction of EPA, scope an analysis of aggregate exposure to PFOA and PFOS. Using database of literature provided by EPA, compile data points which may be used to parametrize necessary input files for HEM looking towards a future case study of PFOA/PFOS. Report on data gaps to fill and necessary model modifications to be addressed before a case study can be completed.

**Deliverable 1:** Model code, outputs, and relevant documentation for aggregate exposure case study

**Deliverable 2:** Model code, outputs, and relevant documentation for Product Use Scheduler evaluation

**Deliverable 3:** Model code, outputs, and relevant documentation for RPGen summary

**Deliverable 4:** Scope case study for PFOS/PFOA

#### **IV. ANTICIPATED DELIVERABLES**

All products by the Contractor must be of high quality, written in a clear concise style, with a logical organization and presentation. Deliverables shall be provided to EPA in electronic formats compatible with EPA-supported software (likely to be Word, R, and Excel). All model code shall be provided to EPA via GitHub.

#### **V. DELIVERABLES AND SCHEDULE**

<b>Task 1.</b>	
Memo describing proposed approach	Updated HEM code and documentation incorporating the above algorithms.

Draft Model Code for generating longitudinal exposures	2 months after acceptance of proposed approach by TO-COR
Final Model code and documentation, including results of code testing	1 month after acceptance of draft model code
Schedule meeting with EPA to discuss implementation and receive technical direction	3 days after Task Order Award
Draft model code for implementing ambient air pathway	2 weeks after receiving technical direction
Draft model code for implementing article pathways	6 weeks after receiving technical direction
Draft model code for implementing dietary pathways	12 weeks after receiving technical direction
Final model code and documentation, including results of code testing	1 month after acceptance of final iteration of draft model code
<b>Task 2.</b>	
HEM model outputs from runs of specific chemicals identified by EPA (aggregate case study)	TBD
Documentation of methods for manuscript for aggregate study	TBD
Review comments on draft manuscript for aggregate study	TBD
Results of PUScH analysis (including any code used to obtain results)	TBD
Revised PUScH code	TBD
Draft manuscript describing PUScH analysis results	TBD
Draft manuscript for RPGen	TBD
Revised RPGen Code	TBD
Updated version of RPGen model inputs to use most recent versions of national databases	TBD
Compilation of PFOS/PFOA data into initial version of necessary HEM model input files	TBD
Results of preliminary HEM runs for PFOS/PFOA	TBD
Memo documenting methods and scoping data gaps and necessary model modifications which would be needed to run a PFOS/PFOA case study with HEM	TBD

## **VI. MANAGEMENT CONTROLS**

1. All deliverables shall be reviewed for conformance to the requirements of this TO before being approved as final.
2. The Contractor shall comply with other applicable requirements for final TO reports stipulated in contract.

## **VII. NOTICE REGARDING GUIDANCE PROVIDED UNDER THIS PROJECT**

Guidance is strictly limited to technical and analytical support. The Contractor shall not engage in activities of an inherent governmental nature such as the following:

- (1) Formulation of Agency policy
- (2) Selection of Agency priorities
- (3) Development of Agency regulations

Should the Contractor receive any instruction from an EPA staff JarenPH@0007 person that the Contractor ascertains to fall into any of these categories or goes beyond the scope of the contract or TO, the Contractor shall immediately contact the Work Assignment Contracting Officer Representative (COR), Project Officer (PO), or Contracting Officer (CO).

## **VIII. SPECIAL CONDITIONS AND ASSUMPTIONS**

The Contractor shall hold a conference call with the EPA COR at the initiation of the task order, and shall provide a bi-weekly update to the COR by telephone for the duration of the TO, in addition to the standard reporting requirements of the contract.

## **IX. EPA CONTACT INFORMATION**

Task Order -Contracting Officer Representative: Daniel A. Vallero, PhD, NERL/HEASD, [vallero.daniel@epa.gov](mailto:vallero.daniel@epa.gov), 919-541-3306

Alternate TO-COR: Peter P. Egeghy, PhD, NERL/HEASD, [egeghy.peter@epa.gov](mailto:egeghy.peter@epa.gov), 919-541-4103

## Appendix A

### Quality Assurance Instructions for Contractors Citing Secondary Data

Section 515 of the Treasury and General Government Appropriations Act for fiscal year 2001 directed the Office of Management and Budget (OMB) to issue guidelines to all Federal agencies to ensure and maximize the quality, objectivity, utility, and integrity of the information they disseminate. This law and the OMB guidance subsequently issued in 67 FR 8452 (02/22/02) underscore the need for EPA/NCEA to assess the quality and credibility of the secondary research information cited in its assessment documents.

Secondary research information is defined as information that was originally produced for one purpose but is now being recompiled or reassessed for a different purpose. Secondary research information usually originates from such primary sources as journal articles, books, government and industry reports, databases, and models. The set of processes that follows serves as a guide to evaluate the strength of secondary data gathered from these primary sources.

The Contractors must list the sources for the references cited in his/her document chapters or sections. The source list will include but not be limited to the names of any commercially available or local databases searched by computer or by hand, the search terms and search strategy used, and the time period of the search. List any print sources like books or journal articles which provided references. List any sources of raw data.

After fully reporting all of the reference sources, identify the most relevant information or key studies among the references you cite and critically evaluate them. Key studies are those most crucial or pivotal to answer the research questions for the project. The key study may have positive or negative results and may even be all that is currently available on the research topic, but the key study is integral to any discussion of the topic. Sometimes, the key study is not recognizable until all of the literature is gathered and evaluated. Key studies should exhibit at least most of the general attributes defined below:

**FOCUS:** the work not only addresses the area of inquiry under consideration but also contributes to its understanding;

**VERIFY:** the work is consistent with accepted knowledge in the field or, if not, the new or varying information is documented within the work; the work fits within the context of the literature and is intellectually honest and authentic;

**INTEGRITY:** Is the work structurally sound? In a piece of research, is the design or research rationale logical and appropriate?

**RIGOR:** the work is important, meaningful, and non-trivial relative to the field and exhibits sufficient depth of intellect rather than superficial or simplistic reasoning;

**UTILITY:** the work is useful and professionally relevant; it makes a contribution to the field in terms of the practitioners' understanding or decision-making on the topic.

**CLARITY:** Is it written clearly and appropriately for the nature of the study?

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CP0D		7. ADMINISTERED BY (If other than Item 6) CP0D	
CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0177	
				10B. DATED (SEE ITEM 13) 06/05/2019	
CODE 072648579		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☒ is not ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: DVALERO Max Expire Date: 06/04/2020

LIST OF CHANGES:

Reason for Modification: The purpose of this modification is to update the period of performance.

Period of Performance Start Date changed from 01-MAY-19 to 05-JUN-19

Period of Performance End Date changed from 30-APR-24 to 04-JUN-20

Total Amount for this Modification: \$0.00

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 06/28/2019

Previous edition unusable

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0177/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 06/05/2019 to 06/04/2020				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
						1 4	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00002		See Block 16C		See Schedule			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CP0D		CP0D		CP0D		CP0D	
CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(x) 9A. AMENDMENT OF SOLICITATION NO.			
ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050							
				9B. DATED (SEE ITEM 11)			
				x 10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0177			
				10B. DATED (SEE ITEM 13) 06/05/2019			
CODE 072648579		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$121,833.00	
See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: DVALERO Max Expire Date: 04/30/2020							
LIST OF CHANGES:							
Reason for Modification: The purpose of this modification will be to exercise the optional taskings of "year one" and fund the optional taskings of year one. With the exercising of year one taskings, the end date of the period of performance will also be modified and changed to 04/30/2020. Appendix A (the cost proposal) will be incorporated into this modification.							
Period Of Performance End Date changed from 04-JUN-20 to 30-APR-20							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		11/21/2019	

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0177/P00002	PAGE	OF
		2	4

NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>New Total Amount for this Version: \$121,833.00 New Total Amount for this Award: \$121,833.00 Obligated Amount for this Modification: \$121,833.00</p> <p>New Total Obligated Amount for this Award: \$248,097.00</p> <p>Maximum Potential Expiration Date changed to : 04/30/2020</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed from \$126,264.00 to \$121,833.00 Obligated Amount for this Modification: \$121,833.00 End Date changed from 04-JUN-20 to 30-APR-20</p> <p>CHANGES FOR DELIVERY LOCATION: ORD/NERL-NC Amount changed from \$126,264.00 to \$121,833.00 Days after award changed from 10 to 0 Delivery Date Added : 04/30/2020</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 19-20-C-26UC000-000FK6XR1-2532-26A6A-1926UCE065-003</p> <p>Beginning FiscalYear 19 Ending Fiscal Year 20 Fund (Appropriation) C Budget Organization 26UC000 Program (PRC) 000FK6XR1 Budget (BOC) 2532 Job # (Site/Project) Cost Organization 26A6A DCN-LineID 1926UCE065-003 Quantity: 0 Amount: \$8,997.00 Percent: 0 Subject To Funding: N Payment Address:</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 19-20-C-26UC000-000FK8XPW-2532-26A6A-1926UCE065-002</p> <p>Beginning FiscalYear 19 Ending Fiscal Year 20 Continued ...</p>				



<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGE	OF
	68HERC19D0003/68HERC19F0177/P00002	3	4

NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Fund (Appropriation) C Budget Organization 26UC000 Program (PRC) 000FK8XPW Budget (BOC) 2532 Job # (Site/Project) Cost Organization 26A6A DCN-LineID 1926UCE065-002 Quantity: 0 Amount: \$59,336.00 Percent: 46.9936 Subject To Funding: N Payment Address:  NEW ACCOUNTING CODE ADDED: Account code: 19-20-C-26UC000-000FK8XPV-2532-26A6A-1926UCE065-001 Beginning FiscalYear 19 Ending Fiscal Year 20 Fund (Appropriation) C Budget Organization 26UC000 Program (PRC) 000FK8XPV Budget (BOC) 2532 Job # (Site/Project) Cost Organization 26A6A DCN-LineID 1926UCE065-001 Quantity: 0 Amount: \$14,500.00 Percent: 11.48388 Subject To Funding: N  Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711  NEW ACCOUNTING CODE ADDED: Account code: 19-20-C-26UC000-000FK6XR2-2532-26A6A-1926UCE059-001 Beginning FiscalYear 19 Ending Fiscal Year 20 Fund (Appropriation) C Budget Organization 26UC000 Program (PRC) 000FK6XR2 Continued ...				

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0177/P00002	PAGE	OF
		4	4

NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Budget (BOC) 2532 Job # (Site/Project) Cost Organization 26A6A DCN-LineID 1926UCE059-001 Quantity: 0 Amount: \$39,000.00 Percent: 30.88766 Subject To Funding: N Payment Address:  Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 06/05/2019 to 04/30/2020				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
						1      2	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
P00003		See Block 16C		PR-ORD-20-00272			
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
CPOD		CPOD		CPOD		CPOD	
US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				9A. AMENDMENT OF SOLICITATION NO.			
ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050				(x)			
				9B. DATED (SEE ITEM 11)			
				x 10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0177			
CODE 072648579		FACILITY CODE		10B. DATED (SEE ITEM 13)			
				06/05/2019			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)				Net Increase:		\$69,289.00	
See Schedule							
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: DVALERO Max Expire Date: 04/30/2020							
LIST OF CHANGES:							
Reason for Modification: The purpose of this modification is to fully fund task 3 and task 4. Year one is funding. With this modification, the funding will fund year two.							
Total Amount for this Modification: \$69,289.00							
New Total Amount for this Version: \$317,386.00							
New Total Amount for this Award: \$317,386.00							
Obligated Amount for this Modification: \$69,289.00							
New Total Obligated Amount for this Award: \$317,386.00							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 01/07/2020	

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0177/P00003	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed from \$248,097.00 to \$317,386.00 Obligated Amount for this Modification: \$69,289.00</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code: 19-20-C-26B2000-000FK8XPV-2532-26A5C-2026B2E007-001</p> <p>Beginning FiscalYear 19 Ending Fiscal Year 20 Fund (Appropriation) C Budget Organization 26B2000 Program (PRC) 000FK8XPV Budget (BOC) 2532 Job # (Site/Project) Cost Organization 26A5C DCN-LineID 2026B2E007-001</p> <p>Amount: \$69,289.00</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 06/05/2019 to 04/30/2020</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00004		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CP0D		7. ADMINISTERED BY (If other than Item 6) CP0D	
CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(x)		9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
		x		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0177	
				10B. DATED (SEE ITEM 13) 06/05/2019	
CODE 072648579		FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☒ is not ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: DVALERO Max Expire Date: 04/30/2020

LIST OF CHANGES:

Reason for Modification: This Administrative Action will extend the ending date of the POP to 8/30/20.

Period of Performance End Date changed from 30-APR-20 to 30-AUG-20

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 01/16/2020

Previous edition unusable

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0177/P00004	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 06/05/2019 to 08/30/2020				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE		PAGE OF PAGES 1 4		
2. AMENDMENT/MODIFICATION NO. P00005		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. See Schedule		5. PROJECT NO. (If applicable)	
6. ISSUED BY CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		7. ADMINISTERED BY (If other than Item 6) CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268		CODE			CP0D
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050				(x)			9A. AMENDMENT OF SOLICITATION NO.
							9B. DATED (SEE ITEM 11)
				x			10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0177
				10B. DATED (SEE ITEM 13) 06/05/2019			
CODE 072648579		FACILITY CODE					
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule				Net Increase:		\$107,902.00	
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE		A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
		B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).					
		C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
		D. OTHER (Specify type of modification and authority)					
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: DVALERO Max Expire Date: 04/30/2020							
LIST OF CHANGES:							
Reason for Modification: The purpose of this modification will be to exercise task 5 and task 6. In addition, funding will be added to fund both tasks.							
Total Amount for this Modification: \$107,902.00							
New Total Amount for this Version: \$425,288.00							
New Total Amount for this Award: \$425,288.00							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		03/31/2020	

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0177/P00005	PAGE	OF
		2	4

NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Obligated Amount for this Modification: \$107,902.00</p> <p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed from \$317,386.00 to \$425,288.00 Obligated Amount for this Modification: \$107,902.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 19-20-C-26B2000-000FK8XPV-2532-26A5C-2026B2E009-001 1 Beginning FiscalYear 19 Ending Fiscal Year 20 Fund (Appropriation) C Budget Organization 26B2000 Program (PRC) 000FK8XPV Budget (BOC) 2532 Job # (Site/Project) Cost Organization 26A5C DCN-LineID 2026B2E009-001</p> <p>Amount: \$33,711.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 19-20-C-26B2000-000FK9-2532-26A5C-2026B2E009-002 Beginning FiscalYear 19 Ending Fiscal Year 20 Fund (Appropriation) C Budget Organization 26B2000 Program (PRC) 000FK9 Budget (BOC) 2532 Job # (Site/Project) Cost Organization 26A5C DCN-LineID 2026B2E009-002</p> <p>Amount: \$9,737.00</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 19-20-C-26B2000-000FK6XR1-2532-26A5C-2026B2E009-003 3 Beginning FiscalYear 19 Continued ...</p>				



<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0177/P00005	PAGE	OF
		3	4

NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Ending Fiscal Year 20</p> <p>Fund (Appropriation) C</p> <p>Budget Organization 26B2000</p> <p>Program (PRC) 000FK6XR1</p> <p>Budget (BOC) 2532</p> <p>Job # (Site/Project)</p> <p>Cost Organization 26A5C</p> <p>DCN-LineID 2026B2E009-003</p> <p>Amount: \$30,013.00</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code:</p> <p>20-21-C-26B2000-000FK8XPW-2532-26A5C-2026B2E009-004</p> <p>Beginning FiscalYear 20</p> <p>Ending Fiscal Year 21</p> <p>Fund (Appropriation) C</p> <p>Budget Organization 26B2000</p> <p>Program (PRC) 000FK8XPW</p> <p>Budget (BOC) 2532</p> <p>Job # (Site/Project)</p> <p>Cost Organization 26A5C</p> <p>DCN-LineID 2026B2E009-004</p> <p>Amount: \$165.00</p> <p>NEW ACCOUNTING CODE ADDED:</p> <p>Account code:</p> <p>19-20-C-26D5000-000FK8XPW-2532-26A5C-2026D5E006-001</p> <p>Beginning FiscalYear 19</p> <p>Ending Fiscal Year 20</p> <p>Fund (Appropriation) C</p> <p>Budget Organization 26D5000</p> <p>Program (PRC) 000FK8XPW</p> <p>Budget (BOC) 2532</p> <p>Job # (Site/Project)</p> <p>Cost Organization 26A5C</p> <p>DCN-LineID 2026D5E006-001</p> <p>Amount: \$34,276.00</p> <p>Continued ...</p>				

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0177/P00005	PAGE	OF
		4	4

NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 06/05/2019 to 08/30/2020				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
				1		2	
2. AMENDMENT/MODIFICATION NO. P00006		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO. PR-ORD-20-01754		5. PROJECT NO. (If applicable)	
6. ISSUED BY CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		7. ADMINISTERED BY (If other than Item 6) CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268		CODE		CP0D	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050				(x)			
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0177			
CODE 072648579		FACILITY CODE		10B. DATED (SEE ITEM 13) 06/05/2019			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule				Net Increase:		\$30,327.00	
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: DVALERO Max Expire Date: 04/30/2020							
LIST OF CHANGES:							
Reason for Modification: The purpose of this modification will be to incorporate the amend PWS, revise the ending date for the period of performance and add funding for the changes to the PWS.							
Period of Performance End Date changed from 30-AUG-20 to 30-AUG-21							
Total Amount for this Modification: \$30,327.00							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Signature of Contracting Officer)		ELECTRONIC SIGNATURE 08/13/2020	

## CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
68HERC19D0003/68HERC19F0177/P00006PAGE OF  
2 2NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>CHANGES FOR LINE ITEM NUMBER: 1</p> <p>Total Amount changed from \$425,288.00 to \$455,615.00 Obligated Amount for this Modification: \$30,327.00</p> <p>End Date changed from 30-APR-20 to 30-AUG-21</p> <p>NEW ACCOUNTING CODE ADDED: Account code: 20-21-C-26B2000-000FK8XPW-2532-26A6A-2026B2E027-001</p> <p>Beginning FiscalYear 20 Ending Fiscal Year 21 Fund (Appropriation) C Budget Organization 26B2000 Program (PRC) 000FK8XPW Budget (BOC) 2532 Job # (Site/Project) Cost Organization 26A6A DCN-LineID 2026B2E027-001</p> <p>Amount: \$30,327.00</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 06/05/2019 to 08/30/2021</p>				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00007		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.	
5. PROJECT NO. (If applicable)		6. ISSUED BY CODE CAD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		7. ADMINISTERED BY (If other than Item 6) CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050		(X)		9A. AMENDMENT OF SOLICITATION NO.	
CODE 072648579		FACILITY CODE		9B. DATED (SEE ITEM 11)	
		X		10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0177	
				10B. DATED (SEE ITEM 13) 06/05/2019	

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.  
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
X	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☒ is not ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: 072648579

TOCOR: DVALLERO Max Expire Date: 08/30/2021

The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged.

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William M. Yates	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  ELECTRONIC SIGNATURE (Signature of Contracting Officer)	16C. DATE SIGNED 10/07/2020

Previous edition unusable

NAME OF OFFEROR OR CONTRACTOR  
 ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 06/05/2019 to 08/30/2021				

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NUMBER		3. EFFECTIVE DATE 08/13/2020		4. REQUISITION/PURCHASE REQUISITION NUMBER		5. PROJECT NUMBER (If applicable)	
6. ISSUED BY Raoul D. Scott, Director OMS/ARM/OAS/Policy, Training and Oversight Division US Environmental Protection Agency, Mail Code 3802R 1200 Pennsylvania Avenue, NW Washington, DC 20004		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code)  To All EPA Contractors				<input checked="" type="checkbox"/> (X)		9A. AMENDMENT OF SOLICITATION NUMBER	
				<input type="checkbox"/>		9B. DATED (SEE ITEM 11)	
				<input checked="" type="checkbox"/> (X)		10A. MODIFICATION OF CONTRACT/ORDER NUMBER To all EPA Contracts and Orders	
				<input type="checkbox"/>		10B. DATED (SEE ITEM 13)	
CODE		FACILITY CODE					

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:  
 (a) By completing items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;  
 or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.  
IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
<input type="checkbox"/>	
<input checked="" type="checkbox"/> (X)	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor ☒ is not ☐ is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00'	16C. DATE SIGNED
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

**STANDARD FORM 30 (REV. 11/2016)**  
Prescribed by GSA FAR (48 CFR) 53.243

## **52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.**

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

### **Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)**

(a) Definitions. As used in this clause—

*Backhaul* means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

*Covered foreign country* means The People's Republic of China.

*Covered telecommunications equipment or services* means—

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

*Critical technology* means—

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-



(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

*Interconnection arrangements* means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

*Reasonable inquiry* means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

*Roaming* means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

*Substantial or essential component* means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at <https://dibnet.dod.mil>. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at <https://dibnet.dod.mil>.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts*. The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

ORDER FOR SUPPLIES OR SERVICES						PAGE OF PAGES		
						1	14	
<b>IMPORTANT:</b> Mark all packages and papers with contract and/or order numbers.								
1. DATE OF ORDER 06/18/2019		2. CONTRACT NO. (If any) 68HERC19D0003		6. SHIP TO:				
3. ORDER NO. 68HERC19F0190		4. REQUISITION/REFERENCE NO. PR-ORD-19-00740		a. NAME OF CONSIGNEE  ORD/OARS/EMD/CIN				
5. ISSUING OFFICE (Address correspondence to) CPOD  US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001				b. STREET ADDRESS US Environmental Protection Agency OARS EMD Cincinnati Division 26 West Martin Luther King Drive Mail Code: WG-12				
				c. CITY Cincinnati		d. STATE OH	e. ZIP CODE 45268	
7. TO: Robert Toth				f. SHIP VIA				
a. NAME OF CONTRACTOR ICF Incorporated, L.L.C.				8. TYPE OF ORDER  <input type="checkbox"/> a. PURCHASE REFERENCE YOUR:    Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.				
b. COMPANY NAME								
c. STREET ADDRESS 9300 LEE HIGHWAY				<input checked="" type="checkbox"/> b. DELIVERY  Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.				
d. CITY FAIRFAX		e. STATE VA	f. ZIP CODE 220316050					
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE ORD NCEA PY1				
11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB						12. F.O.B. POINT		
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 06/17/2020		16. DISCOUNT TERMS		
a. INSPECTION Destination		b. ACCEPTANCE Destination						
17. SCHEDULE (See reverse for Rejections)								
ITEM NO. (a)	SUPPLIES OR SERVICES (b)			QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: 072648579 TOCOR: VSOTO Max Expire Date: 06/17/2020   Continued ...							
SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		\$44,520.00	17(h) TOTAL (Cont. pages) ▲
	21. MAIL INVOICE TO:							
	a. NAME		RTP Finance Center					
	b. STREET ADDRESS (or P.O. Box)		US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts				\$44,520.00	17(i) GRAND TOTAL ▲
	c. CITY		d. STATE	e. ZIP CODE				
Durham		NC	27711					
22. UNITED STATES OF AMERICA BY (Signature)					23. NAME (Typed) William M. Yates TITLE: CONTRACTING/ORDERING OFFICER			

# ORDER FOR SUPPLIES OR SERVICES

## SCHEDULE - CONTINUATION

PAGE NO  
2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 06/18/2019	CONTRACT NO. 68HERC19D0003	ORDER NO. 68HERC19F0190
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	Admin Office: CPOD US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268 Accounting Info: 19-20-C-262S000-000F84-2532-26A5C-19262SC904 -001 BFY: 19 EFY: 20 Fund: C Budget Org: 262S000 Program (PRC): 000F84 Budget (BOC): 2532 Cost: 26A5C DCN - Line ID: 19262SC904-001 Period of Performance: 06/18/2019 to 06/17/2020  NEW HHRA Contract #TBD Task Order 0002 Scientific and Technical Product Development for NCEA				44,520.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$44,520.00

**PERFORMANCE WORK STATEMENT**  
**Task Order 68HERC19F0190**

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**TITLE:** Scientific and Technical Product Development for NCEA

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**Specify Section & Paragraph SOW:**    **A1. Assessment Issues and Documents. Human Health Assessment Documents**

**PERIOD of PERFORMANCE:** 12 Month Period

**I. PURPOSE**

The purpose of this task order is to provide services to the U.S. Environmental Protection Agency's (hereinafter EPA or Agency) National Center for Environmental Assessment (NCEA) for document production activities which include technical editing, word processing, and graphics support.

**II. BACKGROUND**

The National Center for Environmental Assessment (NCEA), a major component of EPA's Office of Research and Development (ORD), with headquarters in Washington, DC, is EPA's national resource center for human health and ecological risk assessment. NCEA occupies a critical position in ORD between researchers in other parts of ORD and outside of EPA who are generating new findings and data, and the regulators in EPA's program offices and regions who must make regulatory, enforcement, and remedial action decisions. NCEA prepares technical reports and assessments that integrate and evaluate the most up-to-date research and serve as major elements of the science foundation supporting EPA policies. As a result, NCEA plays an important role as a consultant to EPA programs and regions on the use of science in environmental decision making and also influences the direction of environmental research.

**III. STATEMENT OF WORK**

The purpose of this task order is to provide technical editing and/or revisions of approximately six (6) documents. For the purpose of developing the cost for the plan, the contractor can assume that each document is approximately 150 pages.

**Task 1: Establish Communication**

Within 3 days of the task order award, the Contractor shall schedule a conference call (not to exceed 1 hour) with the Task Order Contracting Officer Representative (TOCOR) and appropriate contractor staff to clarify outstanding questions and confirm the schedule and specific tasks. The TOCOR will submit the documents to be edited via a Technical Directive. This technical directive will be used as instructions to the contractor and will be submitted with each document. The Contractor will provide cost estimate of work submitted under each technical directive. Copies of all correspondence pertaining to the performance of this task order shall be sent to the CL-COR.

**Deliverable -** Schedule and participate in the conference call.

**Task 2: Technical/Nontechnical Writing and Technical Editing**

The contractor shall ensure the quality of NCEA products by providing technical writing and editorial services for NCEA special reports, technical documents, and other written materials. The contractor shall use the Editing Guidelines/Procedures specified by the TOCOR (*Handbook for Preparing NCEA Documents*, IRIS template, or other specific guidelines, e.g., journal manuscripts would have their own format).

The Contractor shall provide an editor (scientist) with an excellent command of the English language, grammar, and spelling. The editor shall be experienced in scientific and technical writing.

The Contractor shall perform various tasks in support of EPA research and development efforts including the following:

- Write or rewrite scientific/technical material for scientific and technical audiences. The original document or manuscript provided generally will have been written by specialists in the subject. The Contractor must be familiar with scientific and technical terminology (e.g., risk assessment, ecology, solid and hazardous waste, incineration and combustion, etc.) and shall revise the document to the point that it can be easily read and comprehended by the technical community.
- Write or rewrite scientific/technical material in terminology familiar to educated laymen. Rewriting shall include assessing previously written material for unity, coherence, and appropriateness of language and style for the intended audience.
- The Contractor shall edit documents electronically using the track edit feature or perform a hard copy edit (legible, handwritten corrections in red ink on the hard copy of the document) when requested.
- The Contractor shall closely read the manuscript to ensure correct grammar, spelling, and punctuation; consistency of capitalization, spelling, and hyphenation; agreement of verbs and subjects; check materials, especially tables, figures, units of measure, headings, etc. for consistency of style and format; check placement of tables and figures; and many other details of style.
- The Contractor shall rewrite or reorganize sentences, paragraphs, sections, etc.; verify the accuracy of technical terminology, assess illustrations to determine clarity of presentation, need for redrawing, retouching, etc.; cross-check information in the text to tables, figures, appendices, and references and correct apparent disagreements; correct inconsistencies in format and style; assure consistency and accuracy of chemical formulae, mathematical expressions, tables, figures, equations, chemical and biological names; provide a list of queries regarding any questions or concerns with reference to their location in the document; rewrite as needed to ensure clarity throughout the document and that tone and complexity of the document are appropriate for the intended audience.
- The Contractor shall check references to ensure that all references cited in the text and only those references have been included in the reference section of the document and verify the accuracy, completeness, and adherence to established format. The Contractor will add links for references that are in the HERO library.
- The Contractor must be conscientious, attentive to detail, and able to work under considerable pressure (e.g., ability to manage multiple projects that have very short deadlines).

**Deliverable:** The contractor shall provide electronic format of above mentioned documents (MS Word is the preferred software).

### **Task 3. Word Processing/Graphics**

The material provided to the Contractor shall be provided in a variety of formats including, but not limited to, handwritten form or typed rough draft. Documents may contain chemical formulae, mathematical expressions, tables, figures, equations, chemical and biological names, and other terminology specific to scientific/technical documents. The Contractor shall operate IBM-compatible PCs and associated peripheral devices (printers, scanners) and provide support for software applications such as Microsoft Office Suite or other applications introduced as EPA standard (and should be aware of the software version to minimize technical errors).

- The Contractor shall become familiar with NCEA and IRIS formatting standards and make any necessary revisions and/or formatting corrections to documents. The contractor shall use features of MS Word as needed (e.g., indexing, generated Table of Contents, text art, etc.).
- The Contractor shall plan layout and typing of complicated scientific tables and equations to maintain uniformity and balance in spacing (equations will be typed using the current version of MS Word's Equation Editor). The Contractor must be conscientious and attentive to detail.
- The Contractor shall prepare NCEA products for loading onto EPA websites including, but not limited to, the use of Adobe Acrobat to convert products (documents, posters, and presentations) to 508-compliant pdf format. The Contractor shall prepare press quality pdf files (with embedded fonts and CMYK colors) for printing when needed and verify that settings are correct and that all files have been included.
- The Contractor must have excellent proofreading skills. All word-processed material shall be proofread. The contractor shall compare corrections made by the word processor with those requested by the author for accuracy and return the document for further correction as needed.
- Using standard graphics software (e.g., Illustrator, InDesign), the contractor shall create or revise figures as needed.

#### **IV. ANTICIPATED DELIVERABLES**

All products by the Contractor must be of high quality, written in a clear concise style, with a logical organization and presentation. Deliverables shall be provided to EPA in electronic formats compatible with EPA-supported software (e.g., Excel spreadsheets, MS Word documents, PDFs, InDesign).

#### **VI. MANAGEMENT CONTROLS**

1. All deliverables shall be reviewed for conformance to the requirements of this task order before being approved as final.
2. The Contractor shall comply with other applicable requirements for final task order reports stipulated in contract.

#### **VII. NOTICE REGARDING GUIDANCE PROVIDED UNDER THIS PROJECT**

Guidance is strictly limited to technical and analytical support. The Contractor shall not engage in activities of an inherent governmental nature such as the following:

- (1) Formulation of Agency policy
- (2) Selection of Agency priorities
- (3) Development of Agency regulations



Should the Contractor receive any instruction from an EPA staff person that the Contractor ascertains to fall into any of these categories or goes beyond the scope of the contract or task order, the contractor shall immediately contact the CL-COR, TOCOR, or CO.

The Contractor shall also ensure that work under this task order does not contain any apparent or real personal or organizational conflict of interest. The Contractor shall certify that none exist at the time the proposal is submitted to EPA.

## **VIII. SPECIAL CONDITIONS AND ASSUMPTIONS**

The Contractor shall hold a conference call with the TOCOR at the initiation of the task order. Standard reporting requirements of the contract apply for active/completed projects.

## **IX. OTHER REQUIREMENTS**

The TOCOR will have oversight on all materials developed by the contractor. The primary communication mechanism between the TOCOR and the contractor shall be email.

In cases where the work to be performed is of a highly scientific or technical nature or requires consultation or interactions, it may be more expedient for the contractor to interact directly with members of the scientific/technical staff.

## **X. EPA CONTACT INFORMATION**

Copies of all correspondence pertaining to the performance of this TO shall be sent to the CL-COR.

### **TOCOR:**

Vicki Soto  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460  
Telephone: 202-564-3077  
[Soto.vicki@epa.gov](mailto:Soto.vicki@epa.gov)

### **Alternate TOCOR:**

Amanda Boone  
1200 Pennsylvania Avenue, NW  
Washington, DC 20460  
Telephone: 202-564-7614  
[boone.amanda@epa.gov](mailto:boone.amanda@epa.gov)

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. P00001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: W136 Cincinnati OH 45268-0001		CODE CP0D		7. ADMINISTERED BY (If other than Item 6) CP0D US Environmental Protection Agency 26 West Martin Luther King Drive Mail Code: NWD Cincinnati OH 45268		CODE CP0D	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)  ICF Incorporated, L.L.C. Attn: Robert Toth 9300 LEE HIGHWAY FAIRFAX VA 220316050				(x)			
				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				10A. MODIFICATION OF CONTRACT/ORDER NO. 68HERC19D0003 68HERC19F0190			
CODE 072648579		FACILITY CODE		10B. DATED (SEE ITEM 13) 06/18/2019			
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required) See Schedule				Net Decrease:		-\$1,387.91	
<b>13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>							
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.						
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).						
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:						
	D. OTHER (Specify type of modification and authority)						
<b>E. IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)							
DUNS Number: 072648579							
TOCOR: VSOTO Max Expire Date: 06/17/2020							
LIST OF CHANGES:							
Reason for Modification: The purpose of this modification will be to de-obligate excess funding from this task order in the amount of -\$1,387.91.							
Total Amount for this Modification: -\$1,387.91							
New Total Amount for this Version: \$43,132.09							
New Total Amount for this Award: \$43,132.09							
Obligated Amount for this Modification: -\$1,387.91							
New Total Obligated Amount for this Award: \$43,132.09							
Continued ...							
Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
				William M. Yates			
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)				 (Electronic Signature of Contracting Officer)		07/16/2020	

<b>CONTINUATION SHEET</b>	REFERENCE NO. OF DOCUMENT BEING CONTINUED 68HERC19D0003/68HERC19F0190/P00001	PAGE	OF
		2	2

NAME OF OFFEROR OR CONTRACTOR  
ICF Incorporated, L.L.C.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>CHANGES FOR LINE ITEM NUMBER: 1 Total Amount changed from \$44,520.00 to \$43,132.09 Obligated Amount for this Modification: -\$1,387.91</p> <p>CHANGES FOR ACCOUNTING CODE: 19-20-C-262S000-000F84-2532-26A5C-19262SC904-001 Amount changed from \$44,520.00 to \$43,132.09</p> <p>Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 06/18/2019 to 06/17/2020</p>				